

Report Number
F19072-6512
Account Number
60095



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LABORATORIES
Scientists who don't mind getting dirty.™

3505 Conestoga Dr.
Fort Wayne, IN 46808
260.483.4759
algreatlakes.com

To: MIDWEST MATERIAL MANAGEMENT
275 SOLA DR
GILBERTS, IL 60136-9003

For: MIDWEST MATERIAL MGMT
1270 E BEECHER RD
BRISTOL, IL 60512



Sample ID: MMM 3-12-19
Lab Number: 14987

Date Sampled: 3/12/2019
Date Received: 3/13/2019
Date Reported: 4/2/2019

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	47.13		TMECC 03.09-A
Solids	%	52.87		TMECC 03.09-A
Total Nitrogen (N)	%	0.90	1.71	TMECC 04.02-D
Phosphorus (P)	%	0.12	0.22	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	0.27	0.50	TMECC 04.03-A
Potassium (K)	%	0.53	1.01	TMECC 04.04-A
Potash (K ₂ O)	%	0.64	1.21	TMECC 04.04-A
Magnesium (Mg)	%	0.76	1.43	TMECC 04.05-MG
Calcium (Ca)	%	2.08	3.94	TMECC 04.05-CA
Arsenic	mg/kg	2.88	5.45	US EPA SW846-6020
Cadmium	mg/kg	0.294	0.557	US EPA SW846-6020
Chromium	mg/kg	7.8	14.8	US EPA SW846-6020
Copper	mg/kg	20.7	39.1	US EPA SW846-6010C
Mercury	mg/kg	< 0.302	< 0.572	US EPA SW846-6020
Molybdenum	mg/kg	1.04	1.96	US EPA SW846-6020

TMECC - Test Methods for the Examination of Composting and Compost (TMECC), The U.S. Composting Council.

-COMPOST

Report Approved By:

Greg Neyman - Vice President / COO

Approval Date:

4/02/2019

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Nickel	mg/kg	6.2	11.8	US EPA SW846-6020
Lead	mg/kg	16.7	31.6	US EPA SW846-6020
Selenium	mg/kg	< 0.60	< 1.13	US EPA SW846-6020
Zinc	mg/kg	58	110	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.4		TMECC 04.11-A
Soluble Salts	dS/m	3.68		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		< 2	SM(20th)-9221E TMECC
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Ash @ 550 C	%	30.99	58.62	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	21.88	41.38	TMECC 05.07-A
Total Organic Carbon (C)	%	10.94	20.69	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	12.1:1	12.1:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	100		TMECC 05.05-A

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	9.3		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	16.1		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		1.0	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -C / g OM/Day		1.3	TMECC 05.08-B
Compost Stability Index	-		Stable	TMECC 05.08
Retained on U.S. 2-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 1-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 5/8-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		8.81	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		16.16	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		16.25	TMECC 02.02-B